Federal Communications Commission
Washington, D.C. 20554

Approved by OMB
3060-0929

Instructions for FCC 331
Application for Multipoint Distribution Service or
Instructional Television Fixed Service Modification to Main Station, Booster Station, Response Station Hub or 125 kHz (I Channel) Station
(FCC 331 attached)

GENERAL INSTRUCTIONS

Introduction

This FCC Form is to be used by Multipoint Distribution Service (MDS), Multichannel Multipoint Distribution Service (MMDS), Instructional Television Fixed Service (ITFS) or commercial ITFS licensees to apply for modification to a main station, or modification to or a new response station hub, high-power signal booster station, low-power signal booster station or 125 kHz (I Channel) station. Hereinafter, "MDS" will refer to single channel Multipoint Distribution Service and Multichannel Multipoint Distribution Service applications and authorizations, collectively.

For Assistance

For assistance with FCC Form 331 applications, contact the Video Services Division of the Mass Media Bureau at the FCC, Washington, D.C. 20554, telephone number (202) 418-1600.

Applicable Rules and Regulations

Before this application is prepared, the applicant should review the relevant portions of Parts 0, 1, 17, 21 and 74 of the FCC rules in Title 47 of the Code of Federal Regulations (C.F.R.). Copies of Title 47 may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402. You may telephone the GPO order desk at (202) 512-1800 for current prices. FCC rules generally require various exhibits to be filed with an application, in addition to the information requested in the application form. Applicants should make every effort to file complete applications in compliance with the Rules. Replies to questions in this form and the applicant's statements constitute representations on which the FCC will rely in considering the application. Thus, time and care should be devoted to all replies, which should reflect accurately the applicant's responsible consideration of the questions asked. Include all information required by this application. Failure to do so may result in a dismissal or return of the application or a delay in processing the application.

English to Metric Conversions

The following English to Metric equivalents should be used to convert heights and distances, where necessary:

1 foot = 0.3048 meters
1 mile = 1.6093 kilometers

Electronic Filing

The Commission has authorized electronic filing for new MDS and ITFS applications, based on the data and other information contained in this form. The specific details concerning the method for electronically filing applications, including an electronic counterpart to this paper form, will be provided through subsequent Commission public notices.

Paper Copies

All entries on the form shall be typed or legibly printed in ink. A separate application must be submitted for each response station hub, signal booster station or I Channel station at a separate site. A separate application must be submitted for each modification to a main station.

Incorporation by Reference

Applicants may NOT incorporate by reference data, documents, exhibits, or other showings already on file with the FCC. All applicable items on this form must be answered without reference to a previous filing.

Current Information

Information filed with the FCC must be kept current. The applicant should notify the FCC regarding any material change in the facts as they appear in the application. See 47 C.F.R. Section 1.65.

Waiver Requests

Requests for waivers of the FCC's Rules must contain an exhibit stating reasons sufficient to justify a waiver. A separate request with the required showing must be made for each rule waiver desired, identifying the specific rule or policy for which the waiver is requested.

Exhibits

Each document required to be filed as an exhibit should be current as of the date of filing. Each page of each exhibit must be identified with the number or letter of the exhibit, the number of the page of the exhibit and the total number of pages of the exhibit.

INSTRUCTIONS FOR SECTION I - GENERAL AND FEE INFORMATION

Question 1. The legal name of the applicant should be the same as reported in FCC Form 430, "Licensee Qualification Report." The name should also be the same as shown on any related station license or service authorization for a Basic Trading Area (BTA) or partitioned service area (PSA). An applicant filing for a modification to a main station must file an individual FCC Form 331. A group of applicants may file a combined FCC

Form 331 for any new or modified MDS or ITFS booster station, response station hub, or 125 kHz (I Channel(s)) station, so long as the geographic coordinates are the same. The group shall use a lead applicant's name and call sign, and list the associated main stations. The address listed may vary from that reported on FCC Form 430 if the address of the corporate officer, or other employee authorized to certify this application, differs from that of the applicant's principal office. Applicants must provide a current and valid mailing address, and this address must be that of the applicant, not the address of an equipment supplier, consultant or any third party; the authorization will be sent to this address. Failure to respond to FCC correspondence sent to the address of record may result in dismissal of an application.

Facility ID Numbers for MDS and ITFS facilities may be obtained by calling (202) 418-1600.

Question 2. **FEE INFORMATION.** The Commission is statutorily required to collect charges for certain regulatory services it provides to the public. Generally, MDS and commercial ITFS applicants seeking a new station license or a major change to an existing license are required to submit a fee with the filing of FCC Form 331. However, governmental entities, which include any possession, state, city, county, town, village, municipal organization or similar political organization or subpart thereof controlled by publicly elected and/or duly appointed public officials exercising sovereign direction and control over their respective communities or programs, are exempt from the payment of this fee. Also exempted from this fee are licensees of ITFS stations. Where an ITFS applicant is used as the lead applicant and associated main stations include MDS or commercial ITFS, the application is feeable. To avail itself of a fee exemption, the applicant must indicate its eligibility by checking the appropriate box in Question 2, Section I. FCC Form 331 applications NOT subject to a fee may be hand-delivered or mailed to the FCC's Washington, D.C. offices. See 47 C.F.R. Section 0.401(a). Fee-exempt applications should not be sent to the lockbox bank.

The Commission's fee collection program utilizes a U.S. Treasury lockbox bank for maximum efficiency of collection and processing. FCC Form 331 applications requiring the remittance of a fee should be mailed, along with FCC Form 159, to the Federal Communications Commission, Mass Media Services, P.O. Box 358155, Pittsburgh, Pennsylvania, 15251-5155.

In completing FCC Form 159, if the applicant is filing for a response station hub, 125 kHz (I Channel) station or modification to a main station, the applicant should specify on line 20A, payment code "CJM" and on line 22A, $200.00, the fee required for a response station hub, I Channel station or modification to a main station, and if the applicant is filing for a booster station, the applicant should specify on line 20A, payment code "CSB" and on line 22A, $65.00, the fee required for a booster station.

Payment of any required fee must be made by check, bank draft, money order or credit card. If payment is made by check, bank draft or money order, the remittance must be made payable to the Federal Communications Commission, denominated in U.S. dollars, and drawn upon a U.S. financial institution. No postdated, altered or third-party checks will be accepted. DO NOT SEND CASH. Checks dated six months or older will not be acceptable for filing. Applicants who wish to pay by credit card, must submit FCC Form 159 together with their application. Payment of application fees may also be made by electronic payment, provided prior approval has been obtained from the Commission. Applicants interested in this option must first contact the Credit and Debt Management Center at (202) 418-1995 to make the necessary arrangements. Procedures for payment of application fees when applications are filed electronically will be announced by subsequent public notice.

Parties hand-delivering FCC Forms 331 may receive dated receipt copies by presenting copies of the applications to the acceptance clerk at the time of delivery. For mailed-in applications, a "return copy" of the application can be furnished provided the applicant clearly identifies the "return copy" and attaches it to a stamped, self-addressed envelope. Only one piece of paper per application will be stamped for receipt purposes.

CLASSIFICATION OF FILING

Question 3. Indicate the type of applicant as an MDS, ITFS or a commercial ITFS licensee. The answer should include all licensees that are participating with this application (e.g., where the lead applicant is an MDS licensee filing an application with ITFS and commercial ITFS licensees, check all three boxes).

Question 4. Indicate whether this filing is for a response station hub, high-power signal booster station, low-power signal booster station, 125 kHz (I Channel) station, or modification to a main station.

Question 5 - 6. Indicate whether this filing is an application for a new station authorization, a modification to a granted station or an amendment to a pending application. If this is the initial filing for a response station hub, signal booster station or 125 kHz I Channel station, the answer should be "new station authorization." If the filing amends a pending application, provide the file number.

Question 7. Indicate whether the proposed operation is common carrier or non-common carrier.

Contact Representative

Question 8. This item identifies the contact representative (usually the headquarters office of a large applicant, the law firm or other representative of the applicant, or the person or company that prepared or submitted the application on behalf of the applicant). In the event there is a question concerning the application, the FCC staff will attempt to communicate with the contact representative first.

Certifications

Question 9. The engineering certificate must be signed by the technically qualified person responsible for preparation of the engineering information. In this context, a "technically qualified person" is a person qualified to calculate and determine the interference potential and the efficient utilization of the proposed facilities, and who is thoroughly familiar with the technical requirements specified in the applicable parts of the Commission's Rules.

Question 10. Certification on behalf of the applicant shall be made personally by the individual applicant, a partner (if the applicant is a partnership), a corporate officer or duly authorized employee (if the applicant is a corporation and that person has been specifically authorized to act for and on behalf of the applicant), or officer/member (if the applicant is an unincorporated association). Note: The financial certification must be updated when this financial certification is no longer substantially accurate and complete.

SECTION II - PURPOSE OF FILING

Question 1. All applicants, except new station applicants, should check one or more boxes that correctly describe the purpose of this filing. New station applicants who are including a waiver request should check the waiver request box and submit the required exhibit.

SECTION III - STATION LOCATION INFORMATION

Questions 1 - 4. Identify the antenna site by its address (or if there is no address, by a brief description of the location such as a distance and direction from known landmarks), city or town, county and state. If not located in a city or town, insert the name of the nearest identifiable community.

Question 5. Specify the geographic coordinates of the location of the booster, hub, downstream channel or main station. Questions 5a and 5b are the North Latitude and West Longitude, respectively, with reference to North American Datum of 1983 (NAD83). Specify South Latitude and East Longitude where applicable; otherwise, North Latitude and West Longitude will be presumed. Geographic coordinates should be rounded off to the nearest second; e.g., 29.5' is rounded to 30'.

Question 6. Specify the ground elevation (in meters) of the antenna site above mean sea level.

Question 7. **Quiet Zone**. Quiet zones are those areas where it is necessary to restrict radiation so as to minimize possible impact on the operations of radio astronomy or other facilities that are highly sensitive to radio frequency interference. The protected areas involved and procedures required are given in 47 C.F.R. Section 21.113.

Question 8. **Environmental Policy**. Each applicant should check the appropriate box to indicate whether a Commission grant of the proposed communications facilities may have a significant environmental impact as defined by 47 C.F.R. Section 1.1307. Commission grant of an application may have a significant environmental impact if any of the following are proposed:

(a) The facilities are to be located in sensitive areas (e.g., an officially designated wilderness area, a wildlife preserve area, a flood plain) or will physically or visually affect sites significant in American history.

(b) Construction of the facilities will involve significant changes in surface features.

(c) The antenna tower and/or supporting structure(s) will be equipped with high intensity white lights and will be located in residential neighborhoods.

(d) The facilities or their operation will expose workers or the general public to levels of radio frequency radiation in excess of the "Radio Frequency Protection Guides" recommended in "American National Standard Safety Levels with respect to Human Exposure to Radio Frequency Electromagnetic Fields, 300 kHz to 100 GHz," (ANSI C95. 1-1982), by the Institute of Electrical and Electronics Engineers, Inc., 345 East 47th Street, New York, New York 10017.

NOTE: In answering this question, applicants for signal booster stations and stations which transmit with an equivalent isotropically radiated power (EIRP) of 200 watts or less are excluded from the standards set forth in subparagraph (d) above. However, in determining the appropriate response to this question, such applicants must still perform an analysis of the subject facilities in the context of the matters set forth in subparagraphs (a) - (c) above.

If you answered "Yes," submit the required Environmental Assessment (EA), which must contain:

(a) A description of the facilities, as well as supporting structures and appurtenances, and a description of the site, as well as the surrounding area and uses. If high intensity white lighting is proposed or utilized within a residential area, the EA must also address the impact of this lighting upon the residents.

(b) A statement as to the zoning classification of the site, and communications with, or proceedings before and determinations (if any) made by, zoning, planning, environmental or other local, state or federal authorities on matters relating to environmental effect.

(c) A statement as to whether construction of the facilities has been a source of controversy on environmental grounds in the local community.

(d) A discussion of environmental and other considerations which led to the selection of the particular site and, if

relevant, the particular facility; the nature and extent of any unavoidable adverse environmental effects; and any alternative sites or facilities which have been or might reasonably be considered.

The information submitted in the EA shall be factual (not argumentative or conclusory) and concise with sufficient detail to explain the environmental consequences and to enable the Commission, after an independent review of the EA, to reach a determination concerning the proposal's environmental impact, if any. The EA shall deal specifically with any feature of the site which has special environmental significance (e.g., wilderness area, wildlife preserve, natural migratory paths for birds and other wildlife, and sites of historic, architectural or archeological value). In the case of historically significant sites, the EA shall specify the effect of the facilities on any district, site, building, structure or object listed in the National Register of Historic Places, 39 Fed. Reg. 6402 (February 19, 1974). The EA shall also detail any substantial change in the character of the land utilized (e.g., deforestation, water diversion, wetland fill, or other extensive change of surface features). In the case of wilderness areas, wildlife preserves, or other like areas, the EA shall discuss the effect of any continuing pattern of human intrusion into the area (e.g., necessitated by the operation and maintenance of the facilities).

The EA shall also include evidence of site approval which has been obtained from local or federal land use authorities. To the extent that such information is submitted in another part of the application, it need not be duplicated in the EA, but adequate cross-reference to such information shall be supplied.

If an EA need not be submitted to the Commission because another agency of the Federal Government has assumed responsibility: (a) for determining whether the facilities in question will have a significant effect on the quality of the human environment and, (b) if it will affect the environment, for invoking the environmental impact statement process, indicate this in an exhibit and identify the agency.

If you answered "No," a brief statement explaining the reasons why there will not be a significant environmental impact must be submitted. With respect to RF radiation exposure, the required statement must include a description of the steps that have been taken to protect the general public, station employees, and other persons authorized access to the tower from exposure to RF radiation levels in excess of the specified safety standards. These steps must comply with OST Bulletin No. 65, October, 1985, entitled "Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation." The applicant must take into account ALL non-excluded transmitters at and around the station's transmitter site; that is, contributions to environmental RF levels from all nearby facilities, not just the applicant's station, must be considered.

Question 9. The Protected Service Area of the applicant's main station indicates the nature of the protected service area. The service area of individual MDS stations licensed in conjunction with a BTA or PSA authorization is that of the BTA or PSA. A BTA service area must include all the counties in that BTA. Upon the removal of any portion of a BTA through partitioning, the remaining area is no longer a BTA but, itself, becomes a partitioned service area, defined by its counties or other recognized geopolitical subdivisions.

Question 10. If the proposed MDS station, ITFS or commercial ITFS station is not licensed in conjunction with a BTA or PSA authorization, give the geographic coordinates of the center of the fixed 56.33 kilometer (35 mile) circular protected service area. See 47 C.F.R. Sections 21.902 and 74.903.

Question 11. This question must be answered only if the filing is for a station licensed in conjunction with a BTA authorization, including the six additional BTA-like areas defined by the Commission. BTA market numbers and market names are listed in FCC Public Notices or in the FCC Record.

Question 12. This question must be answered only if the filing is for a station licensed in conjunction with an authorization for a partitioned service area (PSA). Identify each BTA market number and market name associated with the PSA.

SECTION IV – BOOSTER, DOWNSTREAM I CHANNEL, OR MAIN STATION ANTENNA INFORMATION

Question 1. Specify the channel(s) or channel group for the proposed operation. For example, an applicant would request the first two channels in the E-channel group by entering E1 E2. A request for the entire E-group (four channels) would be made by entering E Group: EG. For sub-channel or superchannel give frequency range of each channel in MHz in Question 3.

Specify the associated visual carrier frequency offset, if any. Allowable offsets are "+" (plus) and "-" (minus). Leave the offset box empty if no frequency offset is proposed.

Question 2. The emission designator for the transmitter is normally the same as the type accepted/notification values. For analog signals, specify the visual and aural emission designator. For digital signals, specify the emission designator(s) and modulation type(s).

Question 3. For a booster, downstream 125 kHz (I Channel) or main station antenna system, describe antenna(s) by manufacturer and model number. This must be completed regardless of whether a directional or omnidirectional antenna is being proposed. The manufacturer is the name of the company that made the antenna, and model number is the designation that the manufacturer assigns to the antenna. AZIMUTH: Specify the azimuth of the major lobe(s) of radiation in degrees clockwise from True North ("electrical orientation of the main lobe"). EIRP: Specify the maximum effective isotropically radiated power (EIRP) in the horizontal plane, expressed in decibels above one watt (dBw). The specified EIRP should correspond to that for an angle of zero degrees in the transmitting antenna's

vertical radiation plane, regardless of whether or not antenna beam tilt is used. To calculate the EIRP in dBw, take the logarithm to the base ten of the transmitter output power (in watts), multiply by ten, add to the result the antenna gain (in dBi) and then subtract the sum of the losses from transmission line and other devices to be inserted between the transmitter and antenna (in dB). To convert EIRP from units of watts to dBw, take the logarithm to the base ten of the EIRP in watts and multiply the result by ten. BEAM TILT: Specify the amount of nonstandard antenna beam tilt, if any, accurate to the nearest 1/10th of a degree; i.e., beam tilt in addition to that incorporated into the antenna design. Beam tilt does not factor into routine interference calculations performed by the FCC staff in application acceptance studies, but will appear on station licenses. RADIATION CENTER: Specify the height of the antenna center of radiation above ground (in meters) which, together with the ground elevation of the site, is used in determinations of signal path obstructions. POLARIZATION: Specify the polarization of transmitting antenna(s); enter "H" for horizontal polarization or "V" for vertical polarization. The application form provides for a single polarization for each transmitting facility. Proposed use of any other type of polarization should be described in an exhibit.

Question 4. For each directional antenna proposed, if the antenna manufacturer and model number are included in the Commission's list of common "off-the-shelf" directional antennas (periodically released by Public Notice), indicate "Yes" in Question 4 and omit the tabulation of relative field strengths. Otherwise, tabulate the horizontal radiation pattern in Question 4 chart #1 by entering relative field strengths for the 36 azimuths given in the table. For a single antenna, the radiation pattern must be entered in a "normalized" fashion, the method antenna manufacturers normally use to depict "polar diagrams" of horizontal radiation patterns. In a normalized radiation pattern, the antenna's main lobe (or one of the main lobes where the relative field strength has a value of 1.0) is always pointed at True North, which is an azimuth of 0 degrees. Starting at True North, give the relative field strengths at 10 degree intervals, proceeding clockwise around the radiation pattern. The FCC antenna data base allows for relative field strengths at ten additional azimuths, as selected by the applicant (the last set of columns in chart #1). Applicants should enter the azimuths corresponding to the maximum and minimum values of (normalized) relative field strengths for the antenna, if these azimuths are not a multiple of 10 degrees.

SECTION V - RESPONSE STATION HUB INFORMATION

Question 1. Specify the channel(s) or channel group for the proposed operation. For example, an applicant would request the first two channels in the E-channel group by entering E1 E2. A request for the entire E-group (four channels) would be made by entering E Group: EG.

Specify the associated visual carrier frequency offset, if any. Allowable offsets are "+" (plus) and "-" (minus). Leave the offset box empty if no frequency offset is proposed.

Question 2. The emission designator for the transmitter is normally the same as the type accepted/notification values. For analog signals, specify the visual and aural emission designator. For digital signals, specify the emission designator(s) and modulation type(s).

SECTION VI - ANTENNA STRUCTURE DATA

Question 1. For 1a, specify overall height of booster, hub, downstream I Channel(s) or main station antenna above ground, and for b., specify the height of the supporting structure for the booster, hub, downstream I Channel(s) or main station above ground.

Question 2. Enter the FCC assigned tower number if the tower is existing and the number is known.

You must notify the Federal Aviation Administration on FAA Form 7460-1 (obtainable from any FAA office), with certain limited exceptions as set forth in Part 17 of the FCC Rules and Part 77 of the FAA Rules, of construction or alteration of an antenna structure in the following circumstances:

(1) Construction of any new structure or alteration of any existing structure which would result in the top of the antenna or the antenna structure exceeding a height of 61 meters (200 feet) above ground level at the antenna site.

(2) Construction of any new structure or alteration of any existing structure which would result in the top of the antenna or the antenna structure exceeding the height of an imaginary surface extending outward and upward at one of the following slopes:

(a) 1 meter above the airport elevation for each 100 meters from the nearest runway longer than 1 kilometer within 6.1 kilometers of the antenna structure, excluding helicopter and seaplane bases with specified boundaries, if that airport is either listed in the Airport Directory of the current Airman's Information Manual or is operated by a Federal military agency.

(b) 2 meters above the airport elevation for each 100 meters from the nearest runway shorter than 1 kilometer within 3.1 kilometers of the antenna structure, excluding helicopter and seaplane bases with specified boundaries, if that airport is either listed in the Airport Directory or is operated by a Federal military agency.

(c) 4 meters above the airport elevation for each 100 meters from the nearest landing and takeoff area within 1.5 kilometers of the antenna structure of each heliport listed in the Airport Directory or that is operated by a Federal military agency.

(3) Any construction of an antenna structure (or any alteration of an antenna structure that would increase its height) on an airport listed in the Airport Directory of the current Airman's Information Manual.

If you intend to install towers of unusual height or at locations in close proximity to aircraft landing areas, it will be to your advantage to discuss the location and height of the antenna in detail with the appropriate FAA area office before filing your application.

SECTION VII - INTERFERENCE ANALYSIS AND NOTIFICATION REQUIREMENTS

The Commission's Rules require MDS, ITFS or commercial ITFS applicants to perform certain analyses of the potential for causing harmful interference to authorized or previously proposed MDS, ITFS and commercial ITFS facilities and to serve these studies on all affected licensees, conditional licensees, and/or applicants, together with a copy of this application form and related exhibits. Interference analyses do NOT have to be submitted with FCC 331 applications filed at the FCC, although applicants may do so. In lieu of performing the required analysis for a specific station, an applicant may obtain a written statement of "no objection" to the operation of the proposed station, signed by the licensee, conditional licensee or applicant whose facility otherwise must be included in the interference analysis. The Commission's Rules also require applicants to give written notification to BTA and PSA authorization holders of the areas adjoining an applicant's protected service area.

Before filing an application, the applicant should carefully review the rules governing interference protection, analysis and/or notifications, and the limiting signal strength at service area boundaries.

Questions 1-3. These questions are the applicant's declaration of compliance with all required interference and signal strength analyses and notifications. Applicants are reminded that any such analyses or agreements must be available to the Commission upon request. The Commission may also request evidence that an applicant properly notified all affected licensees, conditional licensees, applicants and BTA/PSA authorization holders.

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The FCC is authorized under the Communications Act of 1934, as amended, to collect the personal information we request in this form. We will use the information provided in the application to determine whether approving this application is in the public interest. If we believe there may be a violation or potential violation of a statute, regulation, rule or order, your application may be referred to the Federal, state or local agency responsible for investigating, prosecuting, enforcing or implementing the statute, rule, regulation or order. In certain cases, the information in your application may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC or (b) any employee of the FCC; or (c) the United States Government is a party to a proceeding before the body or has an interest in the proceeding. In addition, all information provided in this form will be available for public inspection.

If you owe a past due debt to the federal government, any information you provide may also be disclosed to the Department of Treasury Financial Management Service, other federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide this information to these agencies through the matching of computer records when authorized.

If you do not provide the information requested on this form, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Your response is required to obtain the requested authorization.

We have estimated that each response to this collection of information will take 55 hours. Our estimate includes the time to read the instructions, look through existing records, gather and maintain the required data, and actually complete and review the form or response. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0929), Washington, DC 20554. We will also accept your comments via the Internet if you send them to jboley@fcc.gov. Please DO NOT SEND COMPLETED APPLICATIONS TO THIS ADDRESS. Remember - you are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0929.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1995, P.L. 104-13, OCTOBER 1, 1995, 44 U.S.C. Section 3507.

Federal Communications Commission
Washington, D. C. 20554

Approved by OMB
3060-0929

FOR FCC USE ONLY

FCC 331

APPLICATION FOR MULTIPOINT DISTRIBUTION SERVICE OR INSTRUCTIONAL TELEVISION FIXED SERVICE MODIFICATION TO MAIN STATION, BOOSTER STATION, RESPONSE STATION HUB OR 125 kHz (I CHANNEL) STATION

FOR COMMISSION USE ONLY

FILE NO.

SECTION I - GENERAL AND FEE INFORMATION

1. LEGAL NAME OF APPLICANT (or lead applicant if more than one licensee)

MAILING STREET ADDRESS OR P.O. BOX

ATTENTION:

INTERNET ADDRESS

TELEPHONE NUMBER (include area code)

CITY

STATE OR COUNTRY (if foreign address)

ZIP CODE

CALL SIGN

CALL SIGN OF ASSOCIATED MAIN STATION(S)

FACILITY ID NUMBER

2. Is a fee submitted with this application? ☐ Yes ☐ No

If Yes, complete and attach FCC Form 159.

If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).

☐ Governmental entity ☐ Noncommercial educational licensee ☐ Other (please explain):

CLASSIFICATION OF FILING

3. Type of licensee(s), including all licensees participating with this application:

☐ MDS ☐ ITFS ☐ Commercial ITFS

4. Type of station (check one):

☐ Response station hub
☐ High-power signal booster station
☐ Low-power signal booster station
☐ Downstream I Channel(s) station
☐ Modification to main station (only licensee can apply)

5. This filing is for a (check one):

☐ New station authorization
☐ Major modification
☐ Minor modification
☐ Major amendment to a pending application
☐ Minor amendment to a pending application

6. If filing amends a pending application, enter file number: _____

Does the amendment resolve a conflict with an application(s) that was filed in the same window? ☐ Yes ☐ No

If Yes, enter file number of at least one application: _____

7. Proposed carrier status: ☐ Common Carrier ☐ Non-common Carrier

CONTACT REPRESENTATIVE

8. Name of Contact Representative (if other than applicant)	Internet Address Telephone Number (include area code)	
Firm or Company Name		
Mailing Street Address or P.O. Box		
City	State	ZIP Code

CERTIFICATIONS

9. **Certification of Person Responsible for Preparing Engineering Information Submitted in this Application**

I certify that I am responsible for the preparation of the engineering information contained in and associated with this application, that I am familiar with 47 C.F.R. Parts 21 and 74, and that I have either prepared or reviewed the engineering information submitted in this application, and that it is complete and accurate to the best of my knowledge.

Date	Type or Print Name of Person Certifying	Signature
Firm or Company Name		
Mailing Street Address or P.O. Box		City
State	ZIP Code	Telephone Number (include area code)

10. **Certifications of Applicant**

☐ **Yes** ☐ **No**

By checking Yes, the applicant certifies that in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, that in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b). Failure to check "Yes" may cause dismissal of your application.

Except for applicants for stations to be licensed in conjunction with an authorization for a Basic Trading Area (BTA) or partitioned service area (PSA), the applicant certifies that it has, or has reasonable assurance that it will have, the ability to meet the expected costs of constructing the facility within the construction permit period and to meet the estimated operating expenses for twelve months, and that the proposed station site will be available to the applicant for timely construction of the facilities during the initial construction period. The applicant is familiar with 47 C.F.R. Parts 21 and 74, and I either have prepared or reviewed the information submitted in this application. All statements made in the attached exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, certifies that the statements made in this application are true, complete and correct.

Date	Applicant (must correspond with that shown on Page 1)	Type or Print Name of Person Signing
Signature		Title (position held by person signing)

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONDITIONAL LICENSE (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

SECTION II - PURPOSE OF FILING

1. Check one or more box(es) that correctly describe(s) the purpose of this filing.

- ☐ add channel(s)
- ☐ delete channel(s)
- ☐ relocate a transmitting site or hub site
- ☐ increase EIRP
- ☐ decrease EIRP
- ☐ change antenna polarization
- ☐ change antenna horizontal radiation pattern
- ☐ change azimuth of main horizontal lobe of radiation
- ☐ change antenna radiation center height
- ☐ increase overall height of antenna structure
- ☐ decrease overall height of antenna structure
- ☐ change transmitter emission type
- ☐ change upper or lower frequency bandwidth
- ☐ add or change frequency offset
- ☐ change carrier status pursuant to 47 C.F.R. Section 21.903(d), 74.931(c)(6) or (d)(6)
- ☐ waiver request (submit Exhibit explaining) — Exhibit No. 1
- ☐ other facilities changes (submit Exhibit explaining changes) — Exhibit No. 2

SECTION III - STATION LOCATION INFORMATION

1. Street address or other description of antenna site		
2. City	3. State	4. County

5. Coordinates for booster, hub, downstream I Channel or main station (check South Latitude or East Longitude boxes if applicable)

a. North Latitude (DD-MM-SS) ☐ South Latitude
o ' "
_____ _____ _____

or

b. West Longitude (DD-MM-SS) ☐ East Longitude
o ' "
_____ _____ _____

6. Ground elevation above mean sea level _____ _____ meters

7. QUIET ZONE: If application proposes to construct or modify a station in any "quiet zone" area where radio use is restricted, the applicant certifies that the appropriate authority has been notified. ☐ **Yes** ☐ **No** ☐ **Not Applicable**

8. ENVIRONMENTAL POLICY: Would a Commission grant of any proposal in this application or amendment have a significant environmental effect as defined by 47 C.F.R. Section 1.1307? ☐ **Yes** ☐ **No**

If Yes, submit as an Exhibit with the application the environmental assessment required by 47 C.F.R. Sections 1.1308 and 1.1311. If No, submit as an Exhibit a brief statement explaining the reasons why there will not be a significant environmental impact.

Exhibit No. 3

9. The protected service area of applicant main station (check one):

☐ Circle with radius of 56.33 km (35 miles)

☐ Basic Trading Area (BTA) or one of the six additional BTA-like areas

☐ Partitioned Service Area (PSA)

10. FOR APPLICATION PROPOSALS WITH A 56.33 KM (35 MILE) PROTECTED SERVICE AREA, enter the geographic coordinates of the center of the authorized circular protected service area.

a. North Latitude (DD-MM-SS) ☐ South Latitude
o ' "
_____ _____ _____

or

b. West Longitude (DD-MM-SS) ☐ East Longitude
o ' "
_____ _____ _____

11. FOR APPLICATION PROPOSALS WITH A BTA OR BTA-LIKE AREA:

BTA Market Number _____ _____

BTA Name (City/State) _____ _____

12. FOR APPLICATION PROPOSALS WITH A PSA, identify the BTA(s) below and in the Exhibit identify the contiguous counties and/or other political subdivisions that comprise the PSA.

Exhibit No. 4

BTA Market Number(s) _____ _____

BTA Name(s) (City/State) _____ _____

SECTION IV - BOOSTER, DOWNSTREAM I CHANNEL, OR MAIN STATION ANTENNA INFORMATION

1. Channel(s) or Channel Groups(s): _____ _____ _____ _____ Offset: _____

2. Emission Designator:

   a. Analog: Visual: _____ Aural: _____

   b. Digital: _____ _____ _____ _____

   c. Digital Modulation Type: _____ _____ _____ _____

3. Booster, downstream I Channel(s), or main station antenna information:

Antenna(s)	Make	Model	Azimuth (or omni)	Frequency MHz From	Frequency MHz To	EIRP (dBW)	Beam Tilt	Radiation Center AGL (meters)	Polarization (H) or (V)

If additional space is needed, attach an Exhibit.

Exhibit No. 5

4. For directional antenna, is the horizontal plane radiation pattern for this antenna already tabulated in the FCC's directional database?

☐ Yes ☐ No

If No, enter in Chart #1 a tabulation of relative field radiation pattern in the horizontal plane at every ten degrees and all maxima and minima.

For each directional transmitting antenna, identify on a separate Exhibit (8 1/2 x 11 inch sheet) a polar diagram of the horizontal relative FIELD pattern and indicate the direction of true north with respect to the proposed antenna orientation. Also label the polar diagram at the appropriate point with the maximum horizontal radiation lobe power gain expressed in dB with respect to an isotropic radiation.

Exhibit No. 6

SECTION IV - ANTENNA INFORMATION

CHART #1

Make: _____ Model: _____

Required Azimuths						Optional Azimuths	
Azimuth	Rel Field	Azimuth	Rel Field	Azimuth	Rel Field	Azimuth	Rel Field
0		120		240			
10		130		250			
20		140		260			
30		150		270			
40		160		280			
50		170		290			
60		180		300			
70		190		310			
80		200		320			
90		210		330			
100		220		340			
110		230		350			

SECTION V - RESPONSE STATION HUB INFORMATION

1. Channel(s) or Channel Group(s): _____ _____ _____ _____ Offset: _____

2. Emission Designator:

   a. Analog: Visual: _____ Aural: _____

   b. Digital: _____ _____ _____ _____

   c. Digital Modulation Type: _____ _____ _____ _____

SECTION VI - ANTENNA STRUCTURE DATA

1. a. Overall height of booster, hub, downstream I Channel(s) or main station antenna above ground: _____ meters

   b. Height of booster, hub, downstream I Channel(s) or main station supporting structure above ground: _____ meters

2. Has the antenna structure been registered with the Commission? ☐ **Yes** ☐ **No**

   If Yes, list the Antenna Structure Registration Number: _____

   If No, has an application (FCC Form 854) been filed with the Commission? ☐ **Yes** ☐ **No**

   If Yes, provide date of filing: _____

   If No, attach as an Exhibit an explanation of why the antenna structure does not meet FAA Notification criteria as defined in 47 C.F.R. Section 17.7. Exhibit No. 7

SECTION VII - INTERFERENCE ANALYSIS AND NOTIFICATION REQUIREMENTS

1. The applicant for this hub, high-power signal booster, downstream I Channel(s) or main station certifies that it has met the requirements of 47 C.F.R. Section 21.909(d), 21.913(b), 74.939(d), 74.939(l)(2) or 74.958(b), as applicable regarding preparation of analyses demonstrating no potential for harmful interference from its proposed facility/facilities to the protected service areas of all authorized or previously proposed, cochannel or adjacent channel, potentially affected facilities; or, in lieu of preparing such analyses, that the applicant has obtained consent of licensees, conditional licensees, or applicants for all potentially affected facilities. The applicant has served such analyses and/or consents on all potentially affected parties in accordance with 47 C.F.R. Sections 21.909(d)(4), 21.913(b)(7), 74.939(d)(4), 74.939(l)(2) or 74.985(b)(7). The applicant has submitted to the Commission all materials required by 47 C.F.R. Sections 21.909(c), 21.913(b), 74.939(c)(2), 74.939(l)(2) or 74.985(b). ☐ **Yes** ☐ **No** ☐ **Not Applicable**

2. The applicant for a hub or high-power signal booster station certifies that it is a licensee or conditional licensee eligible for the additional license sought, pursuant to 47 C.F.R. Section 21.909(d)(3)(i) and (ii), 21.913(b)(1) and (5), 74.939(d)(3)(i) and (ii), or 74.985(b)(1) and (2). ☐ **Yes** ☐ **No** ☐ **Not Applicable**

3. The applicant of a low-power signal booster station certifies that it has met the requirements of 47 C.F.R. Section 21.913(e) or 74.985(e), as applicable, including but not limited to, requirements regarding notification of all potentially affected licensees, submission of required materials to the Commission and eligibility for the license sought. ☐ **Yes** ☐ **No** ☐ **Not Applicable**